

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

# NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION 11805 SW 26 Street, Room 208 T (786) 315-2590 F (786) 315-2599 www.miamidade.gov/economy

HWD Acquisition, Inc. dba Hurd Windows & Doors 575 South Whelen Avenue Medford, WI 54451

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Feel Safe" Aluminum Clad Wood Awning Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. 1405, titled "Feel Safe Aluminum Clad Wood Impact Awning Window, sheets 1 through 5 of 5, dated 07/21/05, with revision D1 dated 12/18/14, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

## MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA# 11-1006.07 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.

(MIAMI-DADE COUNTY)

3/25/15

NOA No. 14-1224.06 Expiration Date: June 29, 2016 Approval Date: April 02, 2015 Page 1

## HWD Acquisition, Inc. dba Hurd Windows & Doors

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

#### A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No 1405, titled "Feel Safe Aluminum Clad Wood Impact Awning Window, Sheets 1 through 5 of 5, dated 7/21/05, with revision D1 dated 12/18/14, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

#### B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked—up drawings and installation diagram of 6 specimens each consisting of aluminum clad casement window, prepared by Stork Twin City Testing Corporation, Test Report No. **STCTC-180-7795.2**, dated 04/08/09, signed and sealed by Thomas Allan Kolden, P.E.

(Submitted under NOA No. 09-0901.05)

- 2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94

along with marked-up drawings and installation diagram of 6 specimens each consisting of aluminum clad casement window, prepared by Architectural Testing, Inc., Test Report No. ATI-52274.04-602-18, dated 07/07-28/04, signed and sealed by Joseph A. Reed, P.E.

(Submitted under NOA No. 06-0130.05)

Manuel Perez, P.E. Product Control Examiner

NOA No. 14-1224.06

Expiration Date: June 29, 2016 Approval Date: April 02, 2015

## HWD Acquisition, Inc. dba Hurd Windows & Doors

# **NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

#### B. TESTS (CONTINUED)

- 3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94

along with marked-up drawings and installation diagram of 6 specimens each consisting of aluminum clad awning window, prepared by Architectural Testing, Inc., Test Report No. **ATI-53394.03-602-18**, dated 09/14-6/04, signed and sealed by Joseph A. Reed, P.E.

(Submitted under NOA No. 06-0130.05)

#### C. CALCULATIONS:

- 1. Anchor Calculations and structural analysis, complying with the FBC-2007 and the FBC-2010, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 05/12/11 and 10/04/11, signed and sealed by Warren W. Schaefer, P.E. (Submitted under previous NOA #11-1006.07)
- 2. Glazing complies with ASTM E1300-04

## D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

## E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 14-0423.17 issued to Eastman Chemical Company (MA) for their "Saflex Clear and Color Glass Interlayers" dated 06/19/14, expiring on 05/21/16.

#### F. STATEMENTS

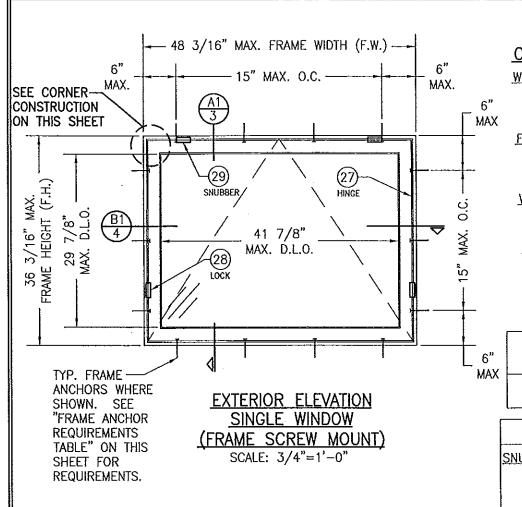
- 1. Statement letter of conformance, complying with FBC-2010 and FBC-5<sup>th</sup> Edition (2014), dated December 18, 2014, issued by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.
- 2. Statement letter of no financial interest, dated December 18, 2014, issued by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

#### G. OTHERS

1. Notice of Acceptance No. 11-1006.07, issued to HWD Acquisition, Inc. dba Hurd Windows & Doors for their Series "Feel Safe" Aluminum Clad Wood Awning Window L.M.I., approved on 11/07/11 and expiring on 06/29/16.

Manuel Perez, P.E. Product Control Examiner NOA No. 14-1224.06

Expiration Date: June 29, 2016 Approval Date: April 02, 2015



# CORNER CONSTRUCTION:

WOOD FRAME: SQUARE CUT, RABBETED, SILICONE SEALED & SECURED WITH THREE

(3) 16 GA. X 1/2" X 2" CROWN STAPLES.

FRAME CLAD: MITER CUT, JOINED WITH A CORNER KEY & TWO (2) NO. 7 X 1/2"

SCREWS & SEALED WITH A FOAM GASKET.

WOOD SASH: MORTISE & TENON CONSTRUCTION AND SECURED WITH TWO (2) 14 GA. X 2 1/2" T-NAILS.

SASH CLAD: SQUARE CUT, BUTTED TOGETHER AND SNAP FIT TO SASH AND

SEALED WITH SILICONE.

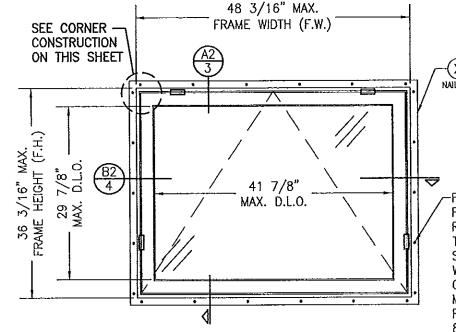
ALLOWABLE DESIGN PRESSURE (SINGLE & MULTIPLE WINDOWS)

+65/-70 PSF

# LOCK & SNUBBER REQUIREMENTS

SNUBBERS: ONE (1) EACH SIDE OF WINDOW AT THE HEAD OF THE FRAME, 6 1/2" OFF CORNERS.

LOCKS: ONE (1) LOCK STRIKE EACH SIDE OF WINDOW AT SIDES.



FIN ANCHOR PER FRAME ANCHOR REQUIREMENTS TABLE ON THIS SHEET. POSITION WITHIN 2" OFF CORNERS & SPACE MAX. 4" O.C. WITH ROOFING NAILS OR 8" O.C. WITH NO. 8 SCREWS

WINDOW

IMPACT AWNING

WOOD

CLAD

ALUMINUM

SAFE

EN 8 1

P.A. (CA 6809)
NUET NORTH
PAGE F. 33418

**EXTERIOR ELEVATION** SINGLE WINDOW (FIN MOUNT)

SCALE: 3/4"=1'-0"

FOR INFORMATION NOT SHOWN, SEE FRAME SCREW MOUNTED SINGLE WINDOW ELEVATION

FRAME ANCHOR REQUIREMENTS TABLE			
OPENING TYPE (SUBSTRATE)	FRAME/FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
C-90 CMU/2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
(2) NAILING FIN FASTENERS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS SCREW	1 1/8"	1/2"
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	11 GA. ROOFING NAIL	1 3/4"	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"

EDILLE ANGUAD DECUMPENTA TABLE

(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.), ELCO CRETE-FLEX (S.S.), ITW RAMSET/RED HEAD TAPCONS (C.S. OR S.S.) OR HILTI KWIK-CON II (C.S OR S.S.).

(2) NAIL FIŃ SCREWS SHALL BE À PAN HEAD ÓR HEX HEAD SCREW OR`HAVE A FLAŤ WASHER AT THE SCREW HEAD.

#### **GENERAL NOTES:**

1. THIS PRODUCT HAS BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED &

2. OPENINGS, BUCKING & BUCKING FASTERIERS MUST BE PROPERLY DESIGNED &
INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.

3. ALL HARDWARE & FASTERIERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS &
SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED
ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.

4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS

TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT PRODUCTS. 5. THIS PRODUCT HAS BEEN DESIGNED IN ACCORDANCE WITH AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY

HURRICANE ZONES (HVHZ).

6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THIS PRODUCT.

7. ALL ANCHORS SECURING PRODUCT FRAMES TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.

8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF Kd = 0.85 MAY BE APPLIED PER THE ASCE-7

9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR Cd = 1.6 WAS USED FOR WOOD SCREW

10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA

11. All WOOD MEMBERS OF THIS PRODUCT THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE &/OR ARE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC REQUIREMENTS.

PRODUCT REVISED as complying with the Florida Building Code Building Code
Acceptance No 14.1274. Dolb
Expiration Date June 27, 2016 By Mull Plul Miamt/Dade Product Control

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OF

W.W.S. 7/21/05

